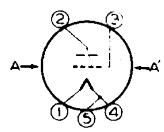
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DETECTOR, AMPLIFIER, OSCILLATOR

ACORN TYPE

Filament	Coated	
Voltage	1.25	d-c volts
Current	0.05	amp.
Direct Interelectrode Capacitances:°		
Grid to Plate	1.2	μμf
Grid to Filament	0.3	μμf
Plate to Filament	0.7	μμf
Overall Length		1-7/32" ± 5/32"
Overall Diameter		1-3/32" ± 1/16"
Bulb	*See Outline in GENERAL SECTION*	T-4½
Base		Small Radial 5-Pin ←
Pin 1 - Filament		Pin 5 - Filament -
Pin 2 - Plate		AA' - Plane of
Pin 3 - Grid		Electrodes
Pin 4 - Filament -		
RCA Socket		Stock No.9925
Mounting Position		Vertical◊



Short Part of Bulb: Bottom
BOTTOM VIEW (5BD)

Maximum Ratings Are Design-Center Values

AMPLIFIER

D-C Plate Voltage	135 max.	volts
Characteristics — Class A_1 Amplifier:		
D-C Plate Voltage	135	volts
D-C Grid Voltage*	-5	volts
Amplification Factor	13.5	
Plate Resistance	20800 approx.	ohms
Transconductance	650	μmhos
D-C Plate Current	2	ma.

° With no external shield.

◊ Horizontal operation permitted if plane of electrodes is vertical (plate on edge).

* Under maximum rated conditions, the resistance in the grid circuit should not exceed 0.1 megohm with fixed bias, or 0.5 megohm with cathode bias.

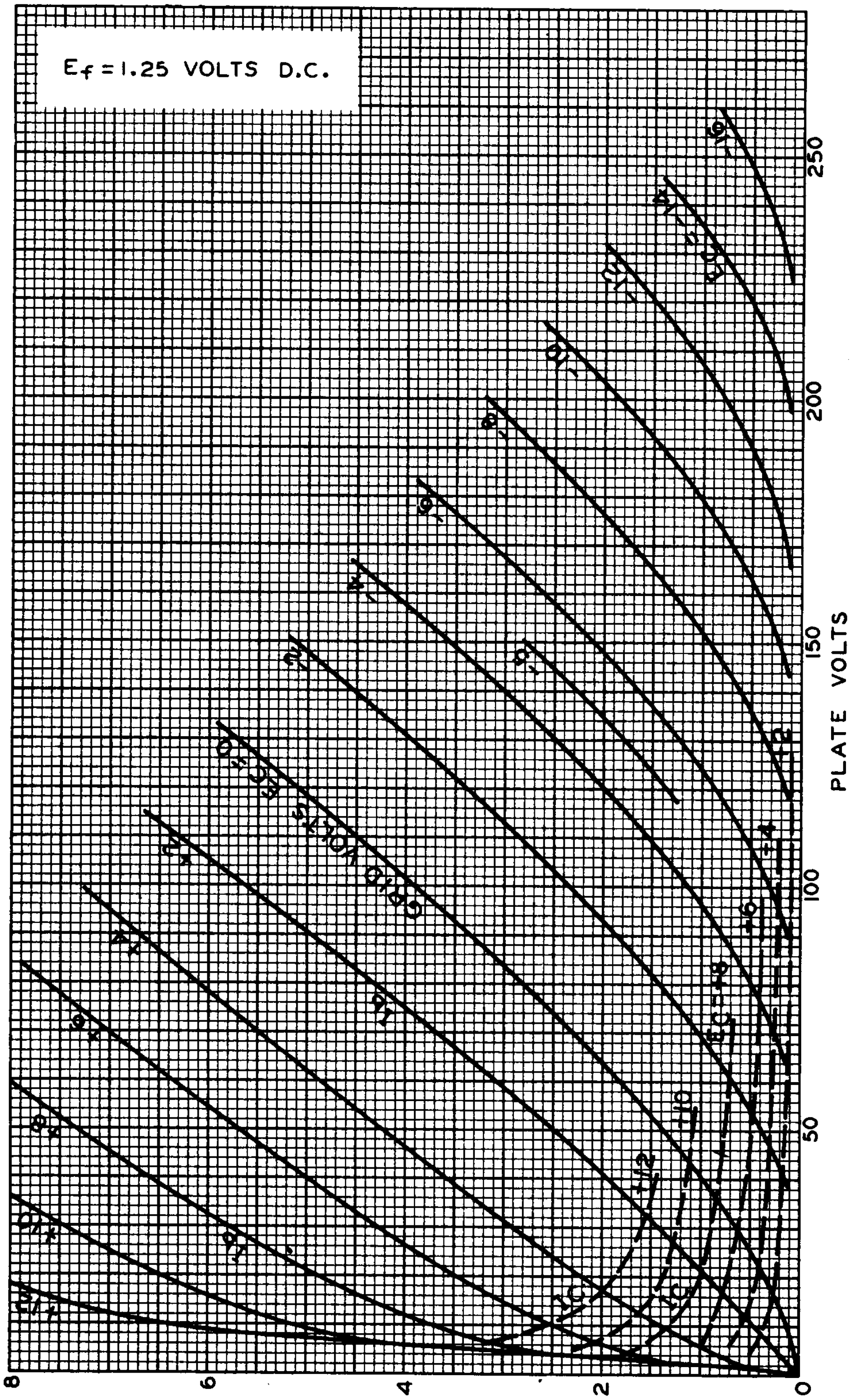
R-F grounding by means of condensers placed close to the tube pins is required if the full capabilities of the 957 for ultra-high-frequency uses are to be obtained.

← Indicates a change.

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AVERAGE PLATE CHARACTERISTICS



JUNE 15, 1944 RCA VICTOR DIVISION 92CM-6336R1

RADIO CORPORATION OF AMERICA, HARRISON, NEW JERSEY